20080207.ba v04_n145.bam.20080207

>From ???@??? Thu Feb 7 15:23:48 2008 -0600
Date: Thu, 7 Feb 2008 15:23:09 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 4145
Message-Id: <20080207212310.CA0564701B1@srvr1.theporch.com>

BOATANCHORS Digest 4145

Topics covered in this issue include:

1) Re: Power Up BC-348-O
by "David Stinson" <arc5@ix.netcom.com>
2) Re: Power Up BC-348-O
by "JAMES HANLON" <knjhanlon@msn.com>
3) Late-Night Coolness
by "David Stinson" <arc5@ix.netcom.com>
4) Re: Late-Night Coolness
by wb3fau@att.net
5) Re: Late-Night Coolness
by "K0DAN" <k0dan@comcast.net>
6) Re: Power Up BC-348-O
by Roy Morgan <roy.morgan@nist.gov>
7) Re: Power Up BC-348-O
by "Arden Allen" <gumbear@pacbell.net>
8) Smoked SB-102
by Charles <charlesmorris@hughes.net>
9) Lesson Learned
by Mike Hardie <mike46@shaw.ca>
10) Re: Power Up BC-348-O
by WA5CAB@cs.com
11) Re: Power Up BC-348-O
by Jack Antonio <scr287@sbcglobal.net>
12) Watkins Johnson Manual
by Robert Kemp <bkemp@bobkemp.com>
13) Re: Smoked SB-102
by "Arden Allen" <gumbear@pacbell.net>
14) Re: Power Up BC-348-O
by "Arden Allen" <gumbear@pacbell.net>
15) automated reply nuisance
by "Arden Allen" <gumbear@pacbell.net>
16) Re: Smoked SB-102
by "Arden Allen" <gumbear@pacbell.net>
17) Fw: I do not receive email here (was: automated reply nuisance)
by "Arden Allen" <gumbear@pacbell.net>
18) Re: Power Up BC-348-O

by W7QHO@aol.com
19) Re: Power Up BC-348-O
by wf2u@ws19ops.com
20) Working On Hammarlund SP-10 Receiver
by "Liles Garcia" <landn2@verizon.net>
21) Re: Working On Hammarlund SP-10 Receiver
by "David Stinson" <arc5@ix.netcom.com>
22) Re: Working On Hammarlund SP-10 Receiver
by "Arden Allen" <gumbear@pacbell.net>

Message-ID: <001601c86795$324a0940$6401a8c0@boudreaux>
From: "David Stinson" <arc5@ix.netcom.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Power Up BC-348-O
Date: Mon, 4 Feb 2008 19:19:42 -0600
MIME-Version: 1.0
Content-Type: text/plain;
format=flowed;
charset="iso-8859-1";
reply-type=response
Content-Transfer-Encoding: 7bit

No offense, James, but those manuals have been the death
of many a BC-348. Never gound the B- in a BC-348.
Doing so robs the audio output of bias nd fries it,
which is the reason so many hams swore
the 348 lacked output, and then tore out the perfectly
functional output stage and replaced it
with some jake-leg cobble-up.

As a related aside: in most of the battery-operated
receivers you see, the audio output transformer is open
because hams grounded the B- and cooked-off
the stage. Those old "surplus conversion" articles
got repeated over and over.
73 Dave S.

----- Original Message -----
From: "JAMES HANLON" <knjhanlon@msn.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Monday, February 04, 2008 1:31 PM
Subject: Re: Power Up BC-348-O

> Ed,
>
> I'm reading from my Surplus Radio Conversion Manual, Volume 1, second

> edition, 1948 right now. For the BC348 (all but the J, Q, and N models), connections to the output plug (original) are as follows: 1- Output (phones or speaker), 2 - B plus, 3 - 28 volts plus, 4 - 28 volts plus, 5 - Output, 6 - Screen grid voltage to IF, 7 - ****Ground (B minus, filament common).

Message-ID: <BAY110-DAV70E131B349015EE4EA16CA02C0@phx.gbl>
From: "JAMES HANLON" <knjhanlon@msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Power Up BC-348-O
Date: Mon, 4 Feb 2008 19:03:40 -0700
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave,

No offense taken, Dave, and after looking at the schematics in my Surplus Conversion Manual I agree with you. The manual does say, "Many models of the BC-348 were built but, with the exception of the BC-348 J, Q, and N, they are electrically and mechanically similar. It is of special note that the B minus of the BC-348Q is not grounded. ..."

The schematic for the BC-348J which also applies to the N and Q models does show the negative side of the dynamotor "secondary" going to ground through an inductor and a 50 ohm resistor. The negative voltage to ground across that pair supplies G1 bias to the audio output tube, and the voltage across the 50 ohm resistor by itself supplies G1 bias to the 6SA7 "first detector (converter) and (local) oscillator. The schematic for the other version of the BC-348 shows the negative side of the dynamotor secondary going to ground through an iron-core inductor, 101-B. The voltage across that inductor supplies G1 bias to the audio output tube.

So the wise thing to do would be to connect the (ungrounded) negative lead of the external power supply to the B- lead of the dynamotor connector.

Did I get that right? Now I'll have to go out and check my own BC-348R to see how it is wired.

73,

Jim, W8KGI

----- Original Message -----
From: "David Stinson" <arc5@ix.netcom.com>
To: <knjhanlon@msn.com>; "Old Tube Radios" <boatanchors@theporch.com>

Sent: Monday, February 04, 2008 6:19 PM
Subject: Re: Power Up BC-348-O

> No offense, James, but those manuals have been the death
> of many a BC-348. Never gound the B- in a BC-348.
> Doing so robs the audio output of bias nd fries it,
> which is the reason so many hams swore
> the 348 lacked output, and then tore out the perfectly
> functional output stage and replaced it
> with some jake-leg cobble-up.
>
> As a related aside: in most of the battery-operated
> receivers you see, the audio output transformer is open
> because hams grounded the B- and cooked-off
> the stage. Those old "surplus conversion" articles
> got repeated over and over.
> 73 Dave S.
>
> ----- Original Message -----
> From: "JAMES HANLON" <knjhanlon@msn.com>
> To: "Old Tube Radios" <boatanchors@theporch.com>
> Sent: Monday, February 04, 2008 1:31 PM
> Subject: Re: Power Up BC-348-O
>
>
> > Ed,
> >
> > I'm reading from my Surplus Radio Conversion Manual, Volume 1, second
> > edition, 1948 right now. For the BC348 (all but the J, Q, and N
> > models),
> > connections to the output plug (original) are as follows: 1- Output
> > (phones or speaker), 2 - B plus, 3 - 28 volts plus, 4 - 28 volts plus,
> > 5 -
> > Output, 6 - Screen grid voltage to IF, 7 - ****Ground (B minus, filament
> > common).
>
>
>

Message-ID: <000901c867fb$b0fafc70$6401a8c0@boudreaux>
From: "David Stinson" <arc5@ix.netcom.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Late-Night Coolness
Date: Tue, 5 Feb 2008 07:33:24 -0600
MIME-Version: 1.0
Content-Type: text/plain;

format=flowed;
charset="iso-8859-1";
reply-type=original
Content-Transfer-Encoding: 7bit

Couldn't get to sleep last night, so I turned-on my little
portable shortwave receiver and tuned around.
Freq readout is pretty crude, but at around 5875 I heard
the spanish "numbers" lady. Just below her, at about 5870,
there was a strong station sending 5-letter code groups at
about 20 WPM in mode A-2. Man, it was good to copy code
someplace besides the ham bands again.
Happily copying those groups in my head,
I finally drifted off to sleep. No telling to whom they
were sending, but I hope they hang around for awhile.
73 Dave S.

From: wb3fau@att.net
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "David Stinson" <arc5@ix.netcom.com>
Subject: Re: Late-Night Coolness
Date: Tue, 05 Feb 2008 16:18:54 +0000
Message-Id:
<020520081618.8299.47A88C6E0003F3BC0000206B22218865869B0A02D29B9B0EBF9A0E00CC0D99@
att.net>

Yes, i heard it too! Glad you said something, I thought I was hearing some
image?   Some years   back i used to hear this with a woman who had British
accent.   What are   these
stations? Russ.

Message-ID: <007b01c86815$2e1e9fe0$6601a8c0@K0DAN>
From: "K0DAN" <k0dan@comcast.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "David Stinson" <arc5@ix.netcom.com>
Subject: Re: Late-Night Coolness
Date: Tue, 5 Feb 2008 10:35:35 -0600
MIME-Version: 1.0
Content-Type: text/plain;
format=flowed;
charset="iso-8859-1";
reply-type=original
Content-Transfer-Encoding: 7bit

Do a GOOGLE on "numbers stations" and you will find a plethora of
information (and speculation) on this interesting & common SWL experience.

73
Dan
K0DAN

----- Original Message -----
From: <wb3fau@att.net>
To: "Old Tube Radios" <boatanchors@theporch.com>
Cc: "David Stinson" <arc5@ix.netcom.com>
Sent: Tuesday, February 05, 2008 10:18 AM
Subject: Re: Late-Night Coolness

> Yes, i heard it too! Glad you said something, I thought I was hearing
> some image?   Some years   back i used to hear this with a woman who
> had British accent.   What are   these
> stations? Russ.
>
>

Message-Id: <6.0.0.22.2.20080205124203.035fdf18@mailserver.nist.gov>
Date: Tue, 05 Feb 2008 12:47:44 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Roy Morgan <roy.morgan@nist.gov>
Subject: Re: Power Up BC-348-O
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:03 PM 2/4/2008, you wrote:
>From: Jack Antonio <scr287@sbcglobal.net> ...
>Subject: Re: Power Up BC-348-O
>
>What I thought was interesting is that in Volume One
>of the series, they made a note to the effect that:
>
>It is of special note that the B- of the BC-348Q is
>not grounded.
>
>Which would lead you to beleive incorrectly that the
>B- was grounded in the non-Q sets.

BC-348 owners.

May I expand this just a bit? (I may not have all the details, but a
warning is in order.)

In some but not all BC-348's the minus terminal of the dynamotor is fed to a choke that is located in the output transformer can. The DC resistance of this choke develops a negative voltage at the minus terminal of the dynamotor chassis. This bias is fed to the audio output tube grid while the cathode is grounded.

MURPHY shows up when folks would simply ground the negative high voltage terminal when the put in an AC-operated supply. This lets the audio output tube run with NO bias and it quickly fails due to excess plate current. In the meantime the audio sounds pinched and distorted.

The cure is to either run the negative connection of any AC supply to the correct spot in the radio, OR, ground it and put a proper cathode resistor and possibly a bypass cap at the audio tube.

Long live your BC-348's!

If anyone needs a BC-348 parts radio, let me know.

Roy

- Roy Morgan, K1LKY since 1959 - Keep 'em Glowing
13033 Downey Mill Road, Lovettsville, VA 20180
Phone 540-822-5911   Cell 301-928-7794
Work: Voice: 301-975-3254, Fax: 301-975-6097
roy.morgan@nist.gov --

Message-ID: <002d01c8685b$ff4bced0$a1a0480c@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Power Up BC-348-O
Date: Tue, 5 Feb 2008 17:02:45 -0800
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> ....put a proper cathode resistor
> and possibly a bypass cap at the audio tube.

I'm glad someone FINALLY mentioned this. A 41 is the same as a 6K6. Look it up in a tube manual to determine the cathode resistor value (I can't remember the value I used). Bypass with a 22uF 25V 'lytic. All will then be well.

Arden Allen

KB6NAX

From: Charles <charlesmorris@hughes.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Smoked SB-102
Date: Tue, 05 Feb 2008 17:36:10 -0500
Message-ID: <u7ohq317t4b268l89jji6co909pf5v55g4@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I hadn't been on the air in a couple of months, so my SB-102 had been sitting quietly in the shack with the heat off, "working when last turned on" (a familiar ebay and hamfest refrain)...

Anyhow I turned on the steam valve to the radiator in that room, flipped the power switch and went to the throne room for a few minutes. While reading I heard several clicks and snaps but assumed it was the radiator expanding with the heat. Unfortunately when I stepped out of the bathroom I got a whiff of "Eau de Allen-Bradley", also familiar to many of us... I reentered the shack where the smell was very strong, and the breaker on the HP-23 supply was popped out. Uh-oh.

After removing the SB-102's case and taking a few sniffs, it was obvious that several resistors were fried on the IF circuit board. A little more investigation showed that the 2nd IF (a 6AU6) had developed an internal short from the plate to suppressor grid!

Since the suppressor is grounded, the 1K resistor from the +300V through the IF can to the plate had the full B+ across it. With up to 300 ma which would be 90 watts on a 1/2 watt carbon resistor, it didn't last long. That was probably the first loud snapping noise. The 6AU6 screen is also fed through another 1K, and there is a 220 ohm cathode resistor, so both of those took a heavy current via the screen and also smoked, but were not charred as heavily. Eventually the circuit breaker popped, stopping any further damage while I was seated elsewhere...

Assuming my local CellphoneShack still *has* resistors it won't be hard to fix. The IF can is not open-circuit, and I have spare tubes... anyway it was a good time for a couple of repairs I'd been putting off (replace the two 20 uf 350V electrolytics and put an original mic connector back where the PO had installed a 1/4" phone jack).

This was a surprising failure, at least to me... has anyone seen a short develop between elements in a receiving tube that was just

sitting there? The equipment was not exposed to any mechanical shocks
or vibration at all. The only thing that changed was the room temp,
probably down to 50F with the heat off and the door closed... maybe
into the 40's when it was -25F here last week.

-Charles
WB3JOK/1 in Presque Isle, ME
(114" snow so far this winter including 7" today)

Date: Tue, 05 Feb 2008 13:07:56 -0800
From: Mike Hardie <mike46@shaw.ca>
Subject: Lesson Learned
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <000f01c8683b$2e3518d0$6401a8c0@user>
MIME-version: 1.0
Content-type: text/plain; format=flowed; charset=iso-8859-1; reply-type=original
Content-transfer-encoding: 7bit

The "old reliable" DX-100B quit so onto the bench it went. Using the "beep"
function on a Fluke digital (ARRGGGGH) multimeter indicated a short, maybe
in the VFO compartment. Squashed wire? Tore into it but nothing found.
Then decided to test the tubes. Sure enough, multiple shorts in the 5763.
Replaced the tube - ops normal. Nice being retired, don't have to worry
about the efficient use of time.

Mike VE7MMH

From: WA5CAB@cs.com
Message-ID: <bdc.2328fd42.34da7789@cs.com>
Date: Tue, 5 Feb 2008 21:38:01 EST
Subject: Re: Power Up BC-348-O
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="part1_bdc.2328fd42.34da7789_boundary"

--part1_bdc.2328fd42.34da7789_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I really can't understand what the big deal is about floating the B-. If you
do that, the stock receiver works just fine without any unnecessary
butchering. Doesn't matter whether the receiver uses a 41 or a 6K6. Doing it the
other way just makes more work, costs more components, and doesn't work any
better. The next owner who comes along and wants an unbutchered receiver has a

bunch of typically poor quality work to undo. Same comments apply to the BC-603 and BC-683.

> >....put a proper cathode resistor
> >and possibly a bypass cap at the audio tube.
>
>

Robert Downs - Houston
<http://www.wa5cab.com> (Web Store)
MVPA 9480
<wa5cab@cs.com> (Primary email)
<wa5cab@comcast.net> (Backup email)

--part1_bdc.2328fd42.34da7789_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
*         ---REMAINDER OF MESSAGE TRUNCATED---            *
*     This post contains a forbidden message format       *
*  (such as an attached file, a v-card, HTML formatting)  *
*    Mail Lists at theporch.com only accept PLAIN TEXT    *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting  *
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
```

--part1_bdc.2328fd42.34da7789_boundary--

Message-ID: <47A92453.10402@sbcglobal.net>
Date: Tue, 05 Feb 2008 19:06:59 -0800
From: Jack Antonio <scr287@sbcglobal.net>
MIME-Version: 1.0
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Power Up BC-348-O
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit
To: Old Tube Radios <boatanchors@theporch.com>

Nobody has mentioned why the original circuit was designed the way it was.

It is described in the manual as a "load compensator", keeping the B+ with respect to ground somewhat constant with changes in supply voltage.

```
Even with a relatively stable power supply, it is a worthwhile feature
to keep.


Jack Antonio WA7DIA
scr287@sbcglobal.net

------------------------------
Message-ID: <47AA1002.8070000@bobkemp.com>
Date: Wed, 06 Feb 2008 13:52:34 -0600
From: Robert Kemp <bkemp@bobkemp.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Watkins Johnson Manual
Content-Type: multipart/mixed;
 boundary="------------010807010005030206080607"

This is a multi-part message in MIME format.
--------------010807010005030206080607
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Have a Watkins Johnson Manual for sale: 1 1/4" thick with Foldouts for
the WJ8716/8718 Receiver. $75 shipped.
Bob
wa0vrc

--------------010807010005030206080607
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
*         ---REMAINDER OF MESSAGE TRUNCATED---           *
*     This post contains a forbidden message format      *
*  (such as an attached file, a v-card, HTML formatting)  *
*    Mail Lists at theporch.com only accept PLAIN TEXT     *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting  *
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

--------------010807010005030206080607--

------------------------------
Message-ID: <003301c86902$7c4fe140$549e480c@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Smoked SB-102
Date: Wed, 6 Feb 2008 12:29:54 -0800
```

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> ... has anyone seen a short develop between elements in a receiving tube that was just sitting there?

To be sure, but never a three for one resistor toasting like yours.
Probably an entry in the Guiness book? ;-)

Arden Allen
KB6NAX

Message-ID: <003401c86902$7da49bd0$549e480c@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Power Up BC-348-O
Date: Wed, 6 Feb 2008 12:35:36 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I really can't understand what the big deal is about floating the B-.

I think you can consider it basic electronics safety protocol. Everyone who's still alive wonders where ground is. It's not always "where you find it." Think of the alternative, an open unknown ground return and a radio sitting at a sure to surprise voltage of +250 volts DC! Better to do the cathode R thing, IMHO.

Arden Allen
KB6NAX

Message-ID: <000701c86920$452f0b00$c59f480c@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: automated reply nuisance
Date: Wed, 6 Feb 2008 16:27:34 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Will the sender, sysop@contesting.com, of automated reply "I do not receive email here" messages, turn the blinkin' thing off. Thankyou.

Arden Allen
KB6NAX

Message-ID: <001e01c86922$affbabd0$c59f480c@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Smoked SB-102
Date: Wed, 6 Feb 2008 16:44:17 -0800
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I did learn something interesting though: the 6136 (JAN 6AU6WC) that I
> replaced the shorted tube with apparently does not draw the same
> heater current as an older 6AU6 or 6AU6A. (The two IF stages have
> their heaters in series, and the replacement tube was much brighter
> than the other stage), ...

Did you check the voltage across each of the tube's heater pins? Light output can vary depending on heater types. GE heaters are typically brighter than RCA for same power consumptions.

Arden Allen
KB6NAX

Message-ID: <003501c86922$f495c640$c59f480c@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Fw: I do not receive email here (was: automated reply nuisance)
Date: Wed, 6 Feb 2008 16:46:11 -0800
MIME-Version: 1.0
Content-Type: text/plain;
     charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: <sysop@contesting.com>
To: <gumbear@pacbell.net>
Sent: Wednesday, February 06, 2008 4:30 PM
Subject: I do not receive email here (was: automated reply nuisance)

```
> Sorry but I don't receive email at this account.
>
> 73,
> Tom W8JI

------------------------------
From: W7QHO@aol.com
Message-ID: <d6b.1c71af36.34dbb0ac@aol.com>
Date: Wed, 6 Feb 2008 19:54:04 EST
Subject: Re: Power Up BC-348-O
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="part1_d6b.1c71af36.34dbb0ac_boundary"


--part1_d6b.1c71af36.34dbb0ac_boundary
Content-Type: text/plain; charset="ISO-8859-1"
Content-Transfer-Encoding: quoted-printable


In a message dated 2/6/08 12:57:37 PM, gumbear@pacbell.net writes:


> > I really can't understand what the big deal is about floating the B-.
>=20
> I think you can consider it basic electronics safety protocol.=A0 Everyone
> who's still alive wonders where ground is.=A0 It's not always "where you f=
ind
> it."=A0 Think of the alternative, an open unknown ground return and a radi=
o
> sitting at a sure to surprise voltage of +250 volts DC!=A0
>=20
>=20

Not a widely held concern, apparently. Common practice "back then" as an eas=
y=20
way to get some bias voltage.   Notable examples include the AR-88, 75A2/3=20
and 51J series among others.

Dennis D. W7QHO
Glendale, CA

Idiot message follows.....



**************
```

```
Biggest Grammy Award surprises of all time on AOL Music.
    =20
(http://music.aol.com/grammys/pictures/never-won-a-grammy?NCID=3Daolcmp00300=
0000025
48)

--part1_d6b.1c71af36.34dbb0ac_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
*         ---REMAINDER OF MESSAGE TRUNCATED---             *
*     This post contains a forbidden message format        *
*  (such as an attached file, a v-card, HTML formatting)  *
*    Mail Lists at theporch.com only accept PLAIN TEXT     *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting  *
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

--part1_d6b.1c71af36.34dbb0ac_boundary--

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Message-ID: <20080206151349.2se1mxy9m4n40kkw@webmail.opentransfer.com>
Date: Wed,  6 Feb 2008 15:13:49 -0600
From: wf2u@ws19ops.com
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Power Up BC-348-O
MIME-Version: 1.0
Content-Type: text/plain;
     charset=ISO-8859-1;
     DelSp="Yes";
     format="flowed"
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

In a BC-348 it shouldn't even be an issue. The receiver is fed with 24
VDC with the negative grounded. The negative HV is internal to the
receiver as it's coming out of the dynamotor.

73, Meir WF2U
Landrum, SC

Quoting Arden Allen <gumbear@pacbell.net>:

>> I really can't understand what the big deal is about floating the B-.
>
> I think you can consider it basic electronics safety protocol.  Everyone
> who's still alive wonders where ground is.  It's not always "where you find
```

> it." Think of the alternative, an open unknown ground return and a radio
> sitting at a sure to surprise voltage of +250 volts DC! Better to do the
> cathode R thing, IMHO.
>
> Arden Allen
> KB6NAX
>
>

Date: Wed, 06 Feb 2008 23:05:36 -0800
From: "Liles Garcia" <landn2@verizon.net>
Subject: Working On Hammarlund SP-10 Receiver
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <OBEDKFDGHEPDGADPPEHFEEKGCHAA.landn2@verizon.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7bit

Good evening Everybody,

I pulled my Hammarlund SP-10 Super Pro off of the shelf and decided to get it working. I got it a while ago, and I don't know anything about its prior life and history. On the back of the case it says " Type XN " and its serial number is S/N 1023. My receiver is the table top kind because it is only 18 inches wide. The bandswitch knob is like a Hallicrafters steering wheel knob. All other knobs are the usual fluted type. I don't have the correct power supply for it, and I am working on it using an Oregon Electronics bench power supply. I think that I may be having bias supply problems, but I need to spend more time to verify this. The receiver plays weakly; and so far no parts have smoked which is great!!

My receiver came with a power cable that is different from other Hammarlund power cables that I have seen. My cable has the usual 10 lug terminal strip on one end; but on the other end is a 12 pin plug with a thick center metal locating pin. Written on the plug is " Bakelite " and " Made in U.S.A. ". Do any of you all know if this plug gives a clue as to what my receiver was used for and/or does it tell anything about its history?

I have a Hammarlund SP-200 series power supply. Can I use it as is, or is it better to make the voltages match up more closely for my SP-10? What do you Hammarlund professionals do in this case? Many thanks in advance for any advice and information that you all can give me.

Have a great rest of the week!!

Best regards from Aloha, Oregon,
Liles Garcia

landn2@verizon.net

Message-ID: <002801c8698e$58060080$6401a8c0@boudreaux>
From: "David Stinson" <arc5@ix.netcom.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Working On Hammarlund SP-10 Receiver
Date: Thu, 7 Feb 2008 07:35:42 -0600
MIME-Version: 1.0
Content-Type: text/plain;
    format=flowed;
    charset="iso-8859-1";
    reply-type=original
Content-Transfer-Encoding: 7bit

Be careful- I just finished taking an IF transformer apart and partially
rewinding
one of the coils, a bypass cap was leaky and smoked it open.
That set "played weakly," too.
73 Dave S.

Message-ID: <007301c869cf$4b5b4ac0$f69d480c@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Working On Hammarlund SP-10 Receiver
Date: Thu, 7 Feb 2008 13:14:21 -0800
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Be careful- I just finished taking an IF transformer apart and partially
> rewinding
> one of the coils, a bypass cap was leaky and smoked it open.

You would think that couldn't happen. The bypass cap is usually on the B+
side of the coil so the short circuit current would no go through the coil.
Must be a different configuration of coil.

Arden Allen
KB6NAX

End of BOATANCHORS Digest 4145
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